

1968: Sony CV-2600 - Simplified 1/2" Skip Field Videocorder

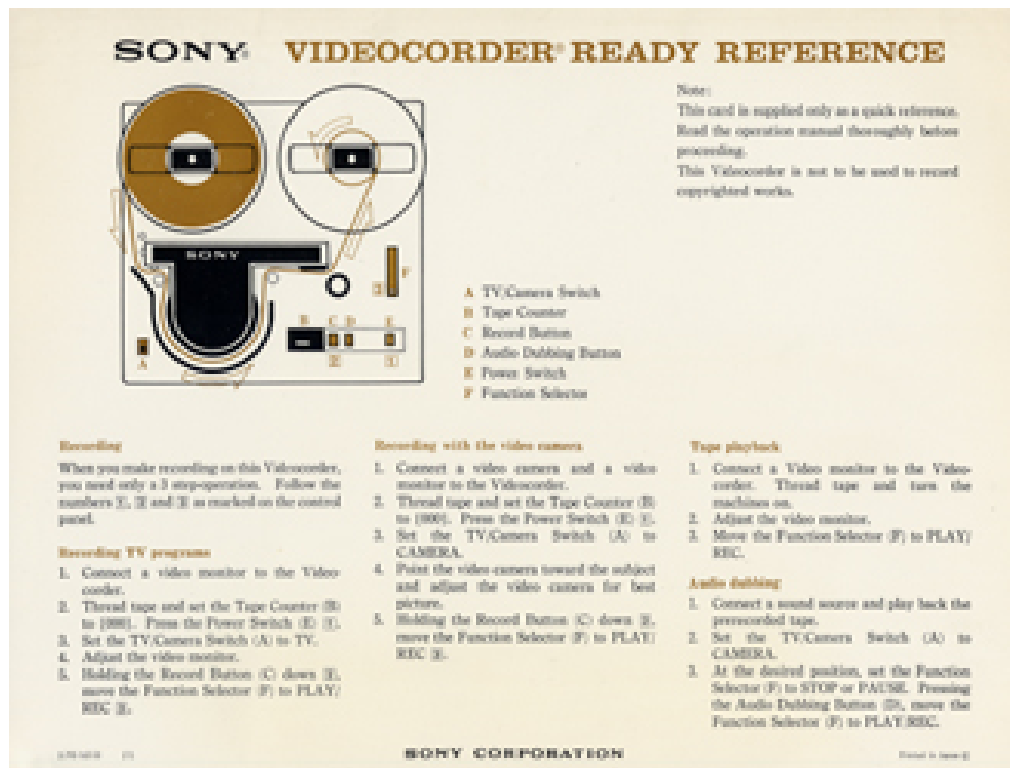
The CV-2600 is the last of the CV series from Sony, representing the beginning of a transition from skip field recording machines to the more "advanced", full field recording, AV series machines. The mechanical technology of the CV 2600 was the most advanced of the CV series. It has one control lever to control all the parameters of tape transport, as well as automatic audio & video level controls. It did not provide for tracking control on playback.



From the CV 2600 Owner's Manual

Introduction

Your new SONY Videocorder 2600 records pictures (video signals) and sound (audio signals). Recording operations are fully automatic and the recorded materials can be played back immediately. When used with a separate SONY video monitor, the Videocorder can tape selected (non-copyrighted) programs for watching at more convenient times. By adding the SONY video camera and microphone you have a compact production unit for recording live action. This Operating Manual has been prepared to help you make high-quality recordings and to keep your Videocorder in top operating condition. Keep this booklet handy for future reference.



Features

AGC system

Your CV-2600 has automatic control of audio levels as well as video levels. This means that the Videocorder adjusts itself to changing levels of video and audio signals from either the video monitor or camera. These automatic features yield perfect recordings with very little effort. There is no need to watch level meters, as the automatic circuits maintain optimum video and audio levels for you.

Simple and easy operation

Your CV-2600 can be operated as easily as an ordinary audio-tape recorder. To record, connect the video monitor or video camera, thread the tape as you would on an audio tape recorder. On

Technical Specifications

Video recording system Rotary (two-heads) helical scan

Recording signal based on American TV standards

Recording time more than 60 minutes, using V-32 tape (2370 ft)

more than 30 minutes, using V-31 tape (1240ft)

Tape speed 7 1/2 ips (inches per second)

Tape width 1/2 inch

Video input 1.4Vp-p, 75 Ω (unbalanced)

Output 1.4Vp-p, 75 Ω (unbalanced)

Resolution more than 220 lines

Signal-to-noise-ratio greater than 40 dB

Audio inputs

Microphone input -65 dB, 600 Ω (unbalanced)

Auxiliary input -20 dB, high impedance (unbalanced)

Line output 0 dB, high impedance (unbalanced)

Audio frequency range 80-10000 Hz

Audio signal-to-noise-ratio greater than 40 dB

Power requirement 117V, 60 Hz

Power consumption 60 watts (65 VA)

Transistors 61

Diodes 23

Dimensions 15 5/8 (w) x 9 1/16 (h) x 13 3/16 (d)

Weight 31 lb

Standard accessories

Tape V-30, Reel RH-7V,

TV connector (8-pin), AC power cord

Polishing cloth, Splicing tape

Lubricating oil, Cleaning fluid

Head cleaning set